Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/21/2021 09:28 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 09:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125275	0	1.11	125191	1.08
Blue	F	SSC	125000	124184	-1	2.25	124565	2.04
Blue	E	FITC	13131	12803	-3	2.20	296	15.61
Blue	D	PE	24112	24008	-1	1.53	550	10.70
Blue	B	PerCP-Cy5-5	31295	30778	-2	2.94	1017	14.47
Blue	A	PE-Cy7	19939	19894	-1	5.12	532	28.86
Red	C	APC	42122	41613	-2	2.91	1745	11.15
Red	A	APC-Cy7	22340	21720	-3	3.35	810	11.44
Violet	B	V450	7410	7096	-5	3.19	431	12.24
Violet	A	V500	28118	26786	-5	2.82	667	9.31

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23341	1.12	566	-3	N/A	N/A	Pass
Blue	F	SSC	57860	1.00	517	5	N/A	N/A	Pass
Blue	E	FITC	55	53.22	486	-1	0.0400	77	Pass
Blue	D	PE	116	36.16	489	1	0.3989	276	Pass
Blue	B	PerCP-Cy5-5	188	35.67	585	-1	0.0200	60	Pass
Blue	A	PE-Cy7	106	67.21	628	0	0.0223	0	Pass
Red	C	APC	407	23.22	575	-1	0.0293	178	Pass
Red	A	APC-Cy7	181	27.05	549	-2	0.0067	1076	Pass
Violet	B	V450	60	61.35	455	2	0.0612	2081	Pass
Violet	A	V500	97	30.29	466	1	0.0277	410	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.91	-31.62	1.05
Blue	20.35	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.42
Red	15.81	13.60 - 20.40	N/A	N/A	29.93	30.21	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 10968

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments